

Converting Colors

$Y_{xy}(29.2481, 0.3216, 0.2370)$

Have a look what the booklet for
Yxy(29.2481, 0.3216, 0.2370)
contains.

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Color

Yxy(29.3338, 0.3213, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	C678C2
RGB	198, 120, 194
RGB Percent	78%, 47%, 76%
CMY	0.2237, 0.5293, 0.2393
CMYK	0.00, 0.39, 0.02, 0.22
HSL	303°, 41%, 62%
HSV	303°, 39%, 78%
XYZ	39.7342, 29.3338, 54.5990
YIQ	151.7580, 22.7340, 39.5500

Conversions

Conversions Part 2

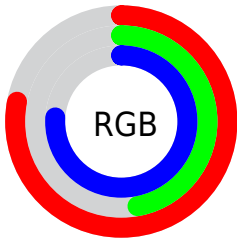
Format	Color
R _Y B	198, 120, 194
Decimal	13007042
CIE Lab	61.08, 41.64, -26.00
CIE LCh	61, 49.095, 328.016
Yxy	29.3338, 0.3213, 0.2372
Android (android.graphics.Color)	4291197122 (0xFFC678C2)
YUV	151.7580, 20.8253, 40.5542
Hunter-Lab	54.1607, 36.1727, -21.8573

Details

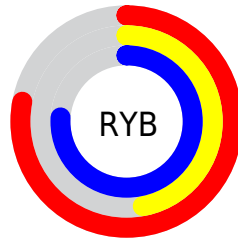
The Yxy color $29.3338, 0.3213, 0.2372$ is a light color, and the websafe version is hex $CC66CC$. A complement of this color would be $45.8218, 0.3046, 0.4421$, and the grayscale version is $31.1925, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.4971, 0.3195, 0.2533$, and $11.9893, 0.3228, 0.2128$ is the 20% darker color. If you saturate the color by 10%, you get $25.0090, 0.3237, 0.2160$, and if you desaturate by 10%, it is $34.6459, 0.3189, 0.2601$.

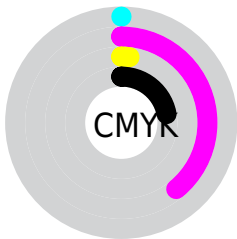
Distribution



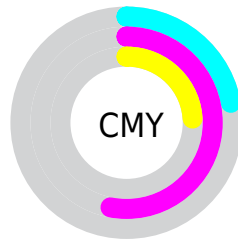
- Red (78%)
- Green (47%)
- Blue (76%)



- Red (78%)
- Yellow (47%)
- Blue (76%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (22%)





- Cyan (22%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3338, 0.3213, 0.2372 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 29.3338, 0.3213, 0.2372 by changing the saturation by 10% instead.


 29.3338, 0.3213,
0.2372


 29.3338, 0.3213,
0.2372


298.7867, 0.3182,
0.2828

 19.3335, 0.3217,
0.2260


 58.6070, 0.3204,
0.2536

 11.9115, 0.3219,
0.2119


 78.6487, 0.3200,
0.2598

 6.6834, 0.3218,
0.1934


 102.8063, 0.3197,
0.2651

 3.2649, 0.3208,
0.1685

131.4642, 0.3193,
0.2696

 1.2716, 0.3172,
0.1336

165.0068, 0.3190,
0.2736

 0.1190, 0.3230,
0.0330

203.8184, 0.3187,


 0.0000, 0.0945,


0.2770

0.0000

248.2836, 0.3184,
0.2801

 0.0000, 0.0000,
0.0000

 29.3338, 0.3213,
0.2372

 29.3338, 0.3213,
0.2372


 25.0090, 0.3237,
0.2160


 34.6459, 0.3189,
0.2601


 21.6065, 0.3261,
0.1974


 40.9972, 0.3167,
0.2838

 19.0597, 0.3284,
0.1823


 48.4407, 0.3145,
0.3074


 17.2913, 0.3305,
0.1714

 57.0246, 0.3126,
0.3304

 16.2103, 0.3324,
0.1647

 66.7944, 0.3109,
0.3524

 15.6557, 0.3341,
0.1616

 77.7930, 0.3093,
0.3729

 15.6258, 0.3342,
0.1615

 87.7405, 0.3081,
0.3884

 87.7882, 0.3075,
0.3873

 87.8362, 0.3070,
0.3861

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.3338, 0.2472, 0.2127



29.3338, 0.3213, 0.2372



29.3338, 0.4027, 0.2803

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.3338, 0.3213, 0.2372



29.3338, 0.4312, 0.4467



29.3338, 0.1846, 0.2955

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.3338, 0.3213, 0.2372



45.8218, 0.3046, 0.4421

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.3338, 0.2232, 0.3794



29.3338, 0.3213, 0.2372



29.3338, 0.3649, 0.4764

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.3338, 0.3213, 0.2372



29.3338, 0.4684, 0.3931



29.3338, 0.2888, 0.4540



29.3338, 0.1767, 0.2375

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.3338, 0.3213, 0.2372



29.3338, 0.4453, 0.3158



29.3338, 0.2888, 0.4540



29.3338, 0.1940, 0.3216

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.3351, 0.3213, 0.2372



81.9064, 0.3151, 0.3008



21.7949, 0.2441, 0.2110



17.1486, 0.3154, 0.2977



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.3351, 0.3213, 0.2372



45.4623, 0.3233, 0.2194



27.8105, 0.3656, 0.2830



10.8069, 0.3145, 0.3074



10.1700, 0.3340, 0.1614



0.4845, 0.3310, 0.1597

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.3351, 0.3213, 0.2372



45.4623, 0.3233, 0.2194



47.0070, 0.2799, 0.3809



10.8069, 0.3145, 0.3074



10.1700, 0.3340, 0.1614



0.4845, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 29.3338, 0.3213, 0.2372 looks on a white background.

Color Contrast Check

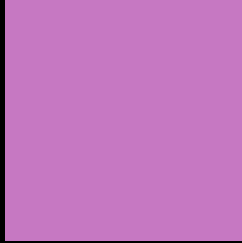
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 29.3338, 0.3213, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

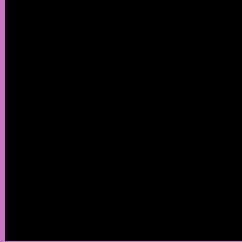
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3338, 0.3213, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 29.3338, 0.3213, 0.2372.



This preview shows how white text looks on a background with the Yxy color 29.3338, 0.3213, 0.2372.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.3338, 0.3213, 0.2372

Protanopia

29.8484, 0.2412, 0.2321

Deuteranopia

29.5004, 0.2693, 0.2637



Tritanopia

29.2321, 0.3713, 0.3154

Trichromacy



Original Color

29.3338, 0.3213, 0.2372



Protanomaly

29.0717, 0.2650, 0.2323



Deuteranomaly

28.9470, 0.2861, 0.2517



Tritanomaly

29.1861, 0.3535, 0.2852

Monochromacy



Original Color

29.3338, 0.3213, 0.2372



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.9812, 0.3166, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3338, 0.3213, 0.2372 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 120, 194)` looks like.

```
.text, #text, p{  
    color:rgb(198, 120, 194)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 120, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 120, 194) }
```

Border

The CSS property to change the border of an element to Yxy 29.3338, 0.3213, 0.2372 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 120, 194) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 120, 194) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 120, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 120, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 120, 194); box-shadow:4px 4px 4px 4px rgb(198, 120, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3338, 0.3213, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 120, 194) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198,  
120, 194) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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